

## CONTENTS

Front Title .....	211
Board of Editors .....	213–215
Front Contents .....	217–218
<b>Condensed Matter &amp; Materials Physics</b>	
Evaluation of lattice parameter and defect related studies of $(\text{KBr})_x(\text{NaBr})_{1-x}$ mixed crystals grown from aqueous solution	
R ANANDA KUMARI AND R CHANDRAMANI .....	219–224
Structural and photoelectronic properties of vacuum evaporated CdSe thin films	
PRADIP KUMAR KALITA, B K SARMA AND H L DAS .....	225–231
Studies on microhardness, compatibility and thermal stability of poly(ethylmethacrylate) (PEMA) and poly(ethyleneoxide) (PEO) polyblends	
S K AWASTHI AND R BAIJAI .....	233–236
Interatomic force constants, ionicity and microhardness of binary tetrahedral semiconductors	
R R REDDY, Y NAZEER AHAMMED, P ABDUL AZEEM, K RAMA GOPAL, B SASIKALA DEVI, T V R RAO AND S H BEHERE .....	237–241
Vibrational properties of nanocrystalline fcc $\text{Ni}_3\text{Fe}$	
RANBER SINGH AND S PRAKASH .....	243–246
Strain field due to transition metal impurities in Cu	
HITESH SHARMA AND S PRAKASH .....	247–253
<b>Nuclear Physics</b>	
Azimuthal angle dependence of two and three particle dynamical correlation among target fragments in $^{28}\text{Si}$ -AgBr interactions at 14.5 AGeV	
DIPAK GHOSH, ARGHA DEB, SWARNAPRATIM BHATTACHARYYA AND JAYITA GHOSH .....	255–260
Optical model studies for elastic scattering of protons	
M K ALAM, M N ISLAM, M A ZAMAN AND M Y ALI .....	261–266
<b>Particle Physics</b>	
MA MSW solution from the inverted hierarchical model of neutrinos	
MAHADEV PATGIRI AND N NIMAI SINGH .....	267–273

**Statistical Physics**

## Thermodynamic investigation of persistent complexes in Si-P melts

B C ANUSIONWU, F O OGUNDARE AND C E ORJI ..... 275-27

**Notes**

## Ferroelectric domains in pyroelectric ceramics

S J MOUSAVI AND M HOSSEINI ..... 281-28

## Some thermoluminescence properties of synthetic quartz and its potential as high level gamma radiation thermoluminescence dosimeter material

P R VYAS AND T R JOSHI... ..... 285-28

## Study of shape of the yrast line and deformation changes in gadolinium isotopes

N A MANSOUR, M U EL-SADK AND A M DIAB ..... 289-29

**Book Review** ..... 29**Forthcoming Publications (A)** ..... 295-29**Notes for Contributors** ..... 297-29**Announcements** ..... 301-30